

What is claimed:

1. A communication equipment comprising:

a reception/ transmission unit configured to notify a target equipment of a plurality of addresses provided for the communication equipment, acquire a plurality of target equipment addresses provided for the target equipment, from the target equipment, and perform packet reception/ transmission using a plurality of provided addresses and a plurality of acquired target equipment addresses; and

a controller configured to select the target equipment address to be used by the reception/ transmission unit, and control the reception/ transmission unit to perform the packet reception/ transmission using a selected target equipment address.

2. The communication equipment of Claim 1, wherein the controller combines the plurality of addresses with the plurality of target equipment addresses, selects a combination to be used by the reception/ transmission unit from combinations, and controls the reception/ transmission unit to perform the packet reception/ transmission by using a selected combination.

3. The communication equipment of Claim 1, wherein the controller selects an available target equipment address as the target equipment address to be used by the reception/ transmission unit.

4. The communication equipment of Claim 1, further comprising:

a plurality of reception/ transmission units provided with the plurality of addresses for each of the reception/ transmission units, wherein

the controller controls the plurality of reception/ transmission units to perform the packet reception/ transmission in parallel.

5. The communication equipment of Claim 1, further comprising:
a plurality of reception/ transmission units provided
with the plurality of addresses for each of the reception/
transmission units, wherein

5 the controller switches the reception/ transmission unit
to perform the packet reception/ transmission.

6. A communication system comprising:

10 a communication equipment provided with a plurality of
addresses; and

a target equipment provided with a plurality of target
equipment addresses, and configured to perform packet
reception/ transmission from/ to the communication equipment,

wherein the communication equipment comprises:

15 a reception/ transmission unit configured to notify the
target equipment of a plurality of provided addresses, acquire
the plurality of target equipment addresses from the target
equipment, and perform the packet reception/ transmission using
the plurality of provided addresses and a plurality of acquired
20 target equipment addresses; and

a controller configured to select the target equipment
address to be used by the reception/ transmission unit, and
control the reception/ transmission unit to perform the packet
reception/ transmission using a selected target equipment
25 address.

7. A communication method comprising:

notifying a target equipment of a plurality of addresses
provided for a communication equipment;

30 acquiring a plurality of target equipment addresses
provided for the target equipment, from the target equipment;

selecting the target equipment address to be used for
packet reception/ transmission; and

performing the packet reception/ transmission using the
35 plurality of addresses and a selected target equipment address.